



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov



Bib Data Sheet

CONFIRMATION NO. 7509

SERIAL NUMBER 10/788,912	FILING DATE 02/27/2004  RULE	CLASS 438	GROUP ART UNIT 2891	ATTORNEY DOCKET NO. 67,200-1210
-----------------------------	---------------------------------------	--------------	------------------------	------------------------------------

## APPLICANTS

Kei-Wei Chen, Taipei, TAIWAN;

Jung-Chih Tsao, Taipei, TAIWAN;

Chi-Wen Liu, Hsinchu, TAIWAN; Jchung-Chang Chen, Taichung city, TAIWAN;

Shih-Tzung Chang, Fengyuan city, TAIWAN;

Shih-Ho Lin, Jhubei City, TAIWAN;

Yu-Ku Lin, Hsin-chu city, TAIWAN;

Ying-Lang Wang, Tai-chung county, TAIWAN;

\*\* CONTINUING DATA ..... None AICS

\*\* FOREIGN APPLICATIONS ..... None AICS

IF REQUIRED, FOREIGN FILING LICENSE GRANTED

\*\* 05/18/2004

Foreign Priority claimed <input type="checkbox"/> yes <input checked="" type="checkbox"/> no	STATE OR COUNTRY TAIWAN	SHEETS DRAWING 3	TOTAL CLAIMS 22	INDEPENDENT CLAIMS 2
35 USC 119 (a-d) conditions met <input type="checkbox"/> yes <input checked="" type="checkbox"/> no <input type="checkbox"/> Met after Allowance				
Verified and Acknowledged Examiner's Signature: <i>Aspe Kumar Sarkar</i> Initials: <i>SK</i>				

## ADDRESS

TUNG &amp; ASSOCIATES

Suite 120

838 W. Long Lake Road

Bloomfield Hills, MI

48302

## TITLE

Method of forming barrier layer with reduced resistivity and improved reliability in copper damascene process

FILING FEE  RECEIVED 806	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:	<input type="checkbox"/> All Fees
		<input type="checkbox"/> 1.16 Fees ( Filing )
		<input type="checkbox"/> 1.17 Fees ( Processing Ext. of time )
		<input type="checkbox"/> 1.18 Fees ( Issue )
		<input type="checkbox"/> Other _____